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 TI - Coating compositions for optical fibers  
 PA - Nitto Electric Industrial Co., Ltd., Japan  
 SO - Jpn. Kokai Tokkyo Koho, 5 pp.  
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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PN	JP60051639	A	19850323	JP 1983-158303	19830829 <--
PR	JP 1983-158303		19830829		
AB	<p>The compns. contain (1) a liq. cycloalkyl (meth)acrylate 100, (2) a rubber component 2-100, (3) a C8-18 chain or branched alkyl (meth)acrylate 10-80, (4) a polyurethane compd. (mol. wt. 500-20000) with a urethane bond as its principal structure and .gtoreq.2 (meth)acryloyl group in the mol. 5-50, and (5) an initiator 0.1-30 parts. The coating compns. are readily hardened by UV or x-ray radiation to give a flexible coating useful as a protective coating for optical fibers. Thus, Viscoat 155 (cyclohexyl acrylate) [3066-71-5] 100 was mixed with Cariflex TR-KX65 (butadiene-styrene block copolymer) 30, Lauryl Tridecyl Acrylate a lauryl acrylate [2156-97-0]-tridecyl acrylate [3076-04-8] mixt. 40, and Viscoat 812 (urethane acrylate mol. wt. 5300) [97622-60-1] 10 parts, and Irgacure 651 (benzyl dimethylketal) [24650-42-8] 4 parts (based on the above mixt.) was added to the mixt. to give a coating compn. The compn. was exposed to UV rays to form a hardened sheet having elasticity 7 kg/cm2, and elongation 260%.</p>				
IT	<p>Fiber optics          (coatings on, monomers and polymers and rubber in radiation-hardened, for flexibility and protection)</p>				
IT	<p>Coating materials          (polymers and monomers and rubber, irradiation-hardened, on optical fibers for flexibility and protection)</p>				
IT	2156-97-0	3066-71-5	3076-04-8	5888-33-5	24650-42-8
	97622-60-1				
	<p>RL: USES (Uses)          (in coatings, on optical fibers for flexibility and protection)</p>				

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